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RAW SEQUENCE LISTING                        DATE: 03/11/2002
PATENT APPLICATION:  US/10/071,179          TIME: 14:42:05

        Input Set : **N:\Crf3\RULE60\10071179.raw**
        Output Set: **N:\CRF3\03112002\J071179.raw**


        1 <110> APPLICANT: Bougueleret, Lydie
        2 <120> TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN
(RBP-7)
        3        AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
        4 <130> FILE REFERENCE: GENSET.031A
        5 <140> CURRENT APPLICATION NUMBER: 10/071,179
        6 <141> CURRENT FILING DATE: 2002-02-07
        7 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/345,882
W--> 8 **<151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-06-30**
        9 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/091,315
W--> 10 **<151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-30**
       11 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/111,909
W--> 12 **<151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-10**
       13 <160> NUMBER OF SEQ ID NOS: 140
       14 <170> SOFTWARE: Patent.pm
       16 <210> SEQ ID NO: 1
       17 <211> LENGTH: 162450
       18 <212> TYPE: DNA                            ENTERED
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       20 <220> FEATURE:
       21 <221> NAME/KEY: allele
       22 <222> LOCATION: 72794
       23 <223> OTHER INFORMATION: 5-124-273 : polymorphic base A or G
       24 <220> FEATURE:
       25 <221> NAME/KEY: allele
       26 <222> LOCATION: 88073
       27 <223> OTHER INFORMATION: 5-127-261 : polymorphic base A or C
       28 <220> FEATURE:
       29 <221> NAME/KEY: allele
       30 <222> LOCATION: 90842
       31 <223> OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
       32 <220> FEATURE:
       33 <221> NAME/KEY: allele
       34 <222> LOCATION: 93714
       35 <223> OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
       36 <220> FEATURE:
       37 <221> NAME/KEY: allele
       38 <222> LOCATION: 97122
       39 <223> OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
       40 <220> FEATURE:
       41 <221> NAME/KEY: allele
       42 <222> LOCATION: 97152
       43 <223> OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
       44 <220> FEATURE:

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Input Set : **N:\Crf3\RULE60\10071179.raw**
Output Set: **N:\CRF3\03112002\J071179.raw**

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45 <221> NAME/KEY: allele
46 <222> LOCATION: 99098
47 <223> OTHER INFORMATION: 5-130-257 : polymorphic base A or G
48 <220> FEATURE:
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50 <222> LOCATION: 99117
51 <223> OTHER INFORMATION: 5-130-276 : polymorphic base A or G
52 <220> FEATURE:
53 <221> NAME/KEY: allele
54 <222> LOCATION: 103806
55 <223> OTHER INFORMATION: 5-131-395 : polymorphic base A or T
56 <220> FEATURE:
57 <221> NAME/KEY: allele
58 <222> LOCATION: 106940
59 <223> OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
60 <220> FEATURE:
61 <221> NAME/KEY: allele
62 <222> LOCATION: 108106
63 <223> OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
64 <220> FEATURE:
65 <221> NAME/KEY: allele
66 <222> LOCATION: 108149
67 <223> OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
68 <220> FEATURE:
69 <221> NAME/KEY: allele
70 <222> LOCATION: 108308
71 <223> OTHER INFORMATION: 5-135-357 : polymorphic base A or G
72 <220> FEATURE:
73 <221> NAME/KEY: allele
74 <222> LOCATION: 108471
75 <223> OTHER INFORMATION: 5-136-174 : polymorphic base C or T
76 <220> FEATURE:
77 <221> NAME/KEY: allele
78 <222> LOCATION: 134134
79 <223> OTHER INFORMATION: 5-140-120 : polymorphic base C or T
80 <220> FEATURE:
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82 <222> LOCATION: 134362
83 <223> OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
84 <220> FEATURE:
85 <221> NAME/KEY: allele
86 <222> LOCATION: 134374
87 <223> OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
88 <220> FEATURE:
89 <221> NAME/KEY: allele
90 <222> LOCATION: 146328
91 <223> OTHER INFORMATION: 5-143-84 : polymorphic base A or G
92 <220> FEATURE:
93 <221> NAME/KEY: allele
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RAW SEQUENCE LISTING          DATE: 03/11/2002
PATENT APPLICATION:  US/10/071,179     TIME: 14:42:05

Input Set : **N:\Crf3\RULE60\10071179.raw**
Output Set: **N:\CRF3\03112002\J071179.raw**

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 94 <222> LOCATION: 146345
 95 <223> OTHER INFORMATION: 5-143-101 : polymorphic base A or C
 96 <220> FEATURE:
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 98 <222> LOCATION: 150329
 99 <223> OTHER INFORMATION: 5-145-24 : polymorphic base A or G
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102 <222> LOCATION: 160031
103 <223> OTHER INFORMATION: 5-148-352 : polymorphic base G or T
104 <220> FEATURE:
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106 <222> LOCATION: 72771..72817
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108 <220> FEATURE:
109 <221> NAME/KEY: allele
110 <222> LOCATION: 72771..72817
111 <223> OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
112 <220> FEATURE:
113 <221> NAME/KEY: allele
114 <222> LOCATION: 88050..88096
115 <223> OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
116 <220> FEATURE:
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119 <223> OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
120 <220> FEATURE:
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122 <222> LOCATION: 90819..90865
123 <223> OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
124 <220> FEATURE:
125 <221> NAME/KEY: allele
126 <222> LOCATION: 90819..90865
127 <223> OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
128 <220> FEATURE:
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130 <222> LOCATION: 93690..93736
131 <223> OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
132 <220> FEATURE:
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134 <222> LOCATION: 93690..93736
135 <223> OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
136 <220> FEATURE:
137 <221> NAME/KEY: allele
138 <222> LOCATION: 97099..97145
139 <223> OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
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144 <220> FEATURE:
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147 <223> OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
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152 <220> FEATURE:
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155 <223> OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
156 <220> FEATURE:
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158 <222> LOCATION: 99075..99121
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160 <220> FEATURE:
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162 <222> LOCATION: 99094..99140
163 <223> OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
164 <220> FEATURE:
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166 <222> LOCATION: 99094..99140
167 <223> OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
168 <220> FEATURE:
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170 <222> LOCATION: 103783..103828
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172 <220> FEATURE:
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174 <222> LOCATION: 103783..103828
175 <223> OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
176 <220> FEATURE:
177 <221> NAME/KEY: allele
178 <222> LOCATION: 106918..106966
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184 <220> FEATURE:
185 <221> NAME/KEY: allele
186 <222> LOCATION: 108084..108130
187 <223> OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
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190 <222> LOCATION: 108084..108130
191 <223> OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
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RAW SEQUENCE LISTING                    DATE: 03/11/2002
PATENT APPLICATION:  US/10/071,179      TIME: 14:42:05

Input Set : **N:\Crf3\RULE60\10071179.raw**
Output Set: **N:\CRF3\03112002\J071179.raw**

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192 <220> FEATURE:
193 <221> NAME/KEY: allele
194 <222> LOCATION: 108127..108177
195 <223> OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
196 <220> FEATURE:
197 <221> NAME/KEY: allele
198 <222> LOCATION: 108127..108177
199 <223> OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
200 <220> FEATURE:
201 <221> NAME/KEY: allele
202 <222> LOCATION: 108285..108331
203 <223> OTHER INFORMATION: polymorphic fragment 5-135-357 SEQ ID40
204 <220> FEATURE:
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206 <222> LOCATION: 108285..108331
207 <223> OTHER INFORMATION: polymorphic fragment 5-135-357 SEQ ID61
208 <220> FEATURE:
209 <221> NAME/KEY: allele
210 <222> LOCATION: 108448..108494
211 <223> OTHER INFORMATION: polymorphic fragment 5-136-174 SEQ ID41
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214 <222> LOCATION: 108448..108494
215 <223> OTHER INFORMATION: polymorphic fragment 5-136-174 SEQ ID62
216 <220> FEATURE:
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218 <222> LOCATION: 134111..134157
219 <223> OTHER INFORMATION: polymorphic fragment 5-140-120 SEQ ID42
220 <220> FEATURE:
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222 <222> LOCATION: 134111..134157
223 <223> OTHER INFORMATION: polymorphic fragment 5-140-120 SEQ ID63
224 <220> FEATURE:
225 <221> NAME/KEY: allele
226 <222> LOCATION: 134340..134386
227 <223> OTHER INFORMATION: polymorphic fragment 5-140-348 SEQ ID43
228 <220> FEATURE:
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231 <223> OTHER INFORMATION: polymorphic fragment 5-140-348 SEQ ID64
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233 <221> NAME/KEY: allele
234 <222> LOCATION: 134352..134397
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236 <220> FEATURE:
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238 <222> LOCATION: 134352..134397
239 <223> OTHER INFORMATION: polymorphic fragment 5-140-361 SEQ ID65
240 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 03/11/2002
PATENT APPLICATION:  US/10/071,179     TIME: 14:42:07

Input Set : N:\Crf3\RULE60\10071179.raw
Output Set: N:\CRF3\03112002\J071179.raw

**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 293,963,969
Seq#:29; Xaa Pos. 293,963,969

**Invalid Line Length:**
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2
Seq#:30; Line(s) 4818
Seq#:31; Line(s) 4841
Seq#:34; Line(s) 4902
Seq#:35; Line(s) 4925
Seq#:36; Line(s) 4948
Seq#:40; Line(s) 5028
Seq#:41; Line(s) 5051
Seq#:42; Line(s) 5074
Seq#:45; Line(s) 5135
Seq#:46; Line(s) 5158
Seq#:47; Line(s) 5181
Seq#:48; Line(s) 5204
Seq#:49; Line(s) 5227
Seq#:50; Line(s) 5250
Seq#:51; Line(s) 5261,5273
Seq#:52; Line(s) 5284,5296
Seq#:53; Line(s) 5307
Seq#:54; Line(s) 5326
Seq#:55; Line(s) 5345,5357
Seq#:56; Line(s) 5368,5380
Seq#:57; Line(s) 5391,5403
Seq#:58; Line(s) 5414
Seq#:59; Line(s) 5433
Seq#:60; Line(s) 5452
Seq#:61; Line(s) 5471,5483
Seq#:62; Line(s) 5494,5506
Seq#:63; Line(s) 5517,5529
Seq#:64; Line(s) 5540
Seq#:65; Line(s) 5559
Seq#:66; Line(s) 5578,5590
Seq#:67; Line(s) 5601,5613
Seq#:68; Line(s) 5624,5636
Seq#:69; Line(s) 5647,5659
Seq#:70; Line(s) 5670,5682
Seq#:71; Line(s) 5693,5705
Seq#:76; Line(s) 5760

**RAW SEQUENCE LISTING ERROR SUMMARY**       DATE: 03/11/2002
PATENT APPLICATION:   US/10/071,179        TIME: 14:42:07

Input Set : **N:\Crf3\RULE60\10071179.raw**
Output Set: **N:\CRF3\03112002\J071179.raw**

Seq#:79; Line(s) 5793
Seq#:81; Line(s) 5815
Seq#:82; Line(s) 5826
Seq#:91; Line(s) 5925
Seq#:94; Line(s) 5958
Seq#:96; Line(s) 5980
Seq#:97; Line(s) 5991

**VERIFICATION SUMMARY**          DATE: 03/11/2002
PATENT APPLICATION:  **US/10/071,179**     TIME: 14:42:07

Input Set : **N:\Crf3\RULE60\10071179.raw**
Output Set: **N:\CRF3\03112002\J071179.raw**

```
L:8 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:3770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1335
L:3896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3351
L:4670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:288
L:4754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:960
```